

**ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP
OCTOBER 14, 2010**

COMMITTEE MEMBERS PRESENT

Ed Mandich, Committee Chair
Jim Haselton, Committee Alternate

STAFF PRESENT

Don Chadd, General Manager
Hector Ruiz, District Engineer
Teresa Teichman, Secretary to the Board of Directors
Kris Hanberg, Wastewater Supervisor
Neil McKenna, Water Supervisor
Bob Beck, Maintenance Supervisor
Michael Perea, Special Projects Manager

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Mandich called the Engineering/Operational Committee Meeting to order at 7:05 a.m.

PUBLIC PARTICIPATION

Public comments were announced. There were no oral or written comments.

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

There were no Committee Member comments.

REPORT FROM THE GENERAL MANAGER

There was no report from the General Manager.

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PROJECT MANAGEMENT

**ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL
WATER TREATMENT FACILITY**

Mr. Hector Ruiz, District Engineer, advised the Baker WTP Committee scheduled to meet today has been cancelled.

Mr. Ruiz advised MWDOC met with MET on August 24, 2010 to discuss the issues related to the preparation of an agreement to allow the introduction of treated water from the Baker WTP into the AMP. The agreement would address accounting of water for billing purposes and for leasing of the AMP for conveyance, or “wheeling”, of treated water from the Baker WTP.

Mr. Ruiz advised the Baker WTP Design is approximately 60% complete.

Mr. Ruiz advised IRWD presented a power point presentation on the evaluation of water supply to the Baker WTP that included evaluating water quality impacts, hydraulics, and delivery options.

The Engineering/Operational Committee received the status update. No action taken.

**ITEM NO. 1B) STATUS UPDATE AND POSSIBLE ACTION RELATING TO
ROSE CANYON AND LANG WELLS GROUNDWATER
TREATMENT FACILITY**

Mr. Ruiz advised the project is 80% complete. Mr. Ruiz advised tying into the new system is scheduled to occur today. Mr. Ruiz stated this tie-in was scheduled to occur a week or two ago, however; due to weather conditions and other project issues, it has been delayed to today. Mr. Ruiz advised the contractor may be one week behind his substantial completion date of November 15, 2010 due to this delay and there are no cost impacts associated with this delay.

Mr. Ruiz advised the claims submittals have been sent out for processing for all invoices paid to date. Future claim submittals will occur for future and pending invoices to the District.

Mr. Ruiz advised the first claims submittal reimbursement could be received by the end of October, 2010.

Mr. Don Chadd, General Manager extended complements to Mr. Ruiz and Mr. Michael Perea, Special Projects Manager, for their diligence and accuracy in the claims submittal process and tracking.

Mr. Ruiz presented three change orders to the Committee for consideration. Discussion occurred relating to the necessity and cost of each change order item. Committee Chair, Mr. Ed Mandich,

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discussed a possible solution to concerns of birds nesting within the new treatment facility by stringing fishing line horizontally across the openings.

Mr. Ruiz stated change orders to date are slightly over 1 percent.

Mr. Mandich inquired if there are additional change orders anticipated. Mr. Ruiz stated he does anticipate a few more for unknown items such as abandoned pipes discovered at the bottom of the well.

Mr. Chadd complemented TCWD's maintenance staff for their ingenuity and skill in fabricating apparatuses to facilitate the removal of the submerged pipes from the wells which saved the District considerable costs.

The Engineering/Operational Committee received the status update and recommended forwarding RC Foster's request for change orders to the Regular Board Meeting for consideration. (Action Calendar).

ITEM NO. 1C) STATUS UPDATE RELATING TO WATER MONITORING AND WATER CONSERVATION EFFORTS

Mr. Chadd discussed the water allocation tables provided by the Municipal Water District of Orange County (MWDOC) and noted TCWD remains under its allotment.

Mr. Perea discussed the California Friendly Landscape Workshop scheduled at the District on Saturday, October 23rd.

The Engineering and Operational Committee received the status update. No action taken.

ITEM NO. 1D) DISCUSSION RELATING TO 2011 URBAN WATER MANAGEMENT PLAN (UWMP) AND PROPOSED SCHEDULE

Mr. Ruiz advised the UWMP is required to be updated every five years to assist in forecasting water demands. Recent changes in the law have extended the current deadline to July 1, 2011.

Mr. Ruiz advised TCWD completed the 2005 UWMP in-house with the assistance of a consultant and requested the committee authorize and approve the District to perform the 2011 URWP in the same manner. The proposed schedule was briefly reviewed, including the need to receive data from MWDOC and MET.

Mr. Chadd advised TCWD is not participating with MWDOC's UWMP consulting group as the District would have no control over the costs.

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The Engineering and Operational Committee received the status update and recommended forwarding to the Regular Board Meeting. (Action Calendar).

**ITEM NO. 1E) STAFF REPORT AND POSSIBLE ACTION RELATING TO
COUNTY OF ORANGE PROPOSED IMPROVEMENTS TO
TRABUCO CREEK ROAD**

Mr. Chadd advised this matter is on the agenda as an informational item. Previous Board direction instructed staff to bring this matter back once the Agreements had been finalized.

TCWD Legal counsel and County Legal Counsel have reviewed and approved the Agreements and Mr. Chadd recommended forwarding to the Board for authorization and approval.

The Engineering and Operational Committee received the status update and recommended forwarding to the Regular Board Meeting. (Action Calendar).

**ITEM NO. 1F) STATUS UPDATES REGARDING ON-GOING ENGINEERING
PROJECTS**

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz advised the dry pit submersible pumps are expected to be delivered within the next two weeks.

2. Shadow Rock Detention Basin Project

Mr. Ruiz advised there is no new information to report.

3. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz advised there is no new information to report.

4. T-mobile Trabuco Highlands Reservoir Antenna Installation

Mr. Ruiz advised this project has been completed. Mr. Ruiz stated the area around the tanks and the entrance to the site still need asphalt repair and slurry. Mr. Ruiz stated he will be meeting with paving contractors in order to complete the road repairs prior to the wet weather period.

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5. El Toro Road Sewer Lift Station

Mr. Ruiz advised he is working with TCWD's maintenance department to evaluate and make a determination relating to the repair or replacement of the pumps. Much of the equipment at this lift station is nearing its service life and due to the age of the parts, many of the parts are no longer available.

Mr. Ruiz stated he is waiting to hear back from IRWD regarding Amendments to the Agreement for the bypass of sewage.

6. Dove Lake Evaluation

Mr. Ruiz advised this item can be taken off agenda as no further study will be performed at this time.

7. Other Projects

Mr. Ruiz advised there are no other engineering projects to discuss.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM 1G) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS

1. Skyridge – Standard Pacific Homes (85 DUs)

Mr. Ruiz advised the developer deposit has been received and a kick-off meeting was held on October 13, 2010. PSOMAS will be contracted to perform the Sub-Area Master Plan (SAMP).

Mr. Ruiz stated the developer is anxious to have the SAMP completed so that he can then perform any necessary CEQA requirements. Mr. Ruiz anticipated the SAMP to be completed within four to six weeks. Mr. Ruiz stated storage of potable water for this development is also being evaluated in the SAMP.

2. Oaks at Trabuco

Mr. Ruiz advised the District has received a request from the owners of Lot 2 and Lot 9 for hydrant and temporary construction water meters from the District. Once the required deposit has been received, the District will order the meters.

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3. Rancho Las Lomas

There is no new activity to report.

4. Other Active Developments

No other developments were discussed.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1H) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor, provided the September 2010 update.

Source Water Production

1. The water treatment plant production totaled 293 acre feet.
2. The Rose Canyon Well produced 0 acre feet and the Lang Well produced 0 acre feet.
3. The average daily demand was 9.2 acre feet, or 4.6 cfs.

Projects and Repairs

1. Water Department Personnel has completed dead-end flushing, blow-off flushing throughout the District.
2. Water Department Personnel repaired three valves on Brookseed in the Robinson Ranch community.

Mr. McKenna relayed information to the committee as to the occurrence and status of water line breaks on Silver Tree Lane and Birdhollow Drive during the first week of October, 2010. Mr. McKenna advised asphalt repairs have been completed on Birdhollow and will soon be underway on Silver Tree Lane.

Discussion occurred related to possible factors which may contribute to these types of line breaks including but not limited to corrosive soils, corroded ductile iron pipe, native back fill with rocks, static pressure in the early morning hours, and sustained high reservoir levels.

Mr. Ruiz stated he contacted a manufacturer of ductile iron pipe and will be forwarding photos of ductile iron pipe for analysis.

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Mr. Chadd relayed there was a minor incident after the completion of the repair on Birdhollow relating to a District vehicle hitting a parked car and causing minimal damage to that vehicle.

Mr. Chadd extended compliments to stand-by staff for their swift action when notified in the middle of the night of each line break along with compliments to the customer service staff for their coordination and communications with the affected customers.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1I) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the September 2010 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 56.8 acre feet.
2. The recycled water demand was 96.1 acre feet.
3. Dove Lake had 8.5 feet of freeboard.
4. The reclaimed water reservoir had 13 feet of freeboard.
5. The District pumped a total of 17.6 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 12.5 acre feet.

Projects

1. District Personnel removed debris and re-meshed the whistle at Dove Creek.
2. District Personnel installed a sump pump next to the blower building at the Wastewater Treatment Plant for de-watering the tanks.

Mr. Hanberg reviewed the Sewer System Management Plan (SSMP) Report for October. Mr. Hanberg advised he will be scheduling to meet with the District Engineer in order to prepare the SSMP Program Audit.

Discussion occurred relating to drawing down on freeboard in the lake. Mr. Chadd noted the Solar Bee's will be adjusted and bubblers will be turned on in February, 2011.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1J) SEPTEMBER 2010 OPERATIONAL REPORT REVIEW

There were no anomalies to report.

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The Engineering/Operational Committee received and filed the report. No action taken.

**ITEM NO. 1K) ENGINEERING/OPERATIONAL COMMITTEE MEETING
RECAP**

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the September 9, 2010 Engineering/Operational Committee Meeting Recap. (Consent Calendar).

ITEM NO. 1L) OTHER MATTERS/REPORT

Mrs. Teresa Teichman, Customer Service Manager, updated the committee as to the status of the Larkgrove water theft issue. A fine has been levied and a certified letter was mailed to the customer and on October 7, 2010.

Recommended Action: The Committee received the status update. No action taken.

ADJOURNMENT

Committee Chair Mandich adjourned the October 14, 2010 Engineering/Operational Committee Meeting at 7:55 a.m.